

KHIL'KO, N.I.

5
J. R. M.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Electrochemistry

Determination of the particles generating nuclear-electronic showers. A. A. Arinov, V. P. Vinogradov and N. I. Khil'ko. Doklady Akad. Nauk S.S.R. 108, 231-4 (1956) (Chem. 47, 10371). - Details of absorption coeff. in water and air of the particles generating nuclear-electronic showers were made in the lake Bhor-Kol (3000 m.) and Osh (3000 m.). Coincident signals from 4 or 5 groups of counters were registered. The trays of counters were enclosed in 8-cm. Pb blocks. They were lowered into various depths in the lake in an Pb barrel. It was shown that only nuclear electronic showers generated in Pb were registered. The registration of δ -showers was practically excluded. The random coincidences were very rare. The absorption coeff. for H_2O (1) $1/\mu_{H_2O} = 170 \pm 10$ g./sq.cm. The absorption coeff. for air (2) $1/\mu_{air} = 123 \pm 8$ g./sq.cm. The difference between (1) and (2) means that at least some of the particles generating nuclear-electronic showers disintegrate in the air. The unstable generating particles do not disintegrate in a dense medium and are therefore absorbed more slowly. These particles are most probably π -mesons. The estimate of the av. no. of π -mesons formed during the generation of the observable nuclear-electronic showers can be made from $\mu_{air} = \mu_{H_2O}(1 - \delta)$, where $\delta = \text{no. of secondary nuclear-active particles formed in one act.}$ $\delta \sim 0.3 = \text{no. of } \pi\text{-mesons having max. energy and capable of generating secondary nuclear-electronic showers.}$

SOV/137-9-20219

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 299 (USSR)

AUTHORS: Yakobson, I.I., Shirokiy, P.L., Khil'ko, N.I., Chubarov, L.B.

TITLE: Technical Quality Control With Gamma Rays From Radioactive Cobalt Co⁶⁰ (Tekhnicheskiy kontrol' gamma-luchami radioaktivnogo kobal'ta Co⁶⁰)

PERIODICAL: Sb. nauchn. tr. Tashkentsk. in-t inzh. zh.-d. transp., 1957, Nr 7, pp 131-142

ABSTRACT: Described are γ -ray emitters, apparatus for flaw detection with γ -rays, methods for plotting gamma-diagrams, and the sensitivity of the method of flaw detection with γ -rays. The method is developed for the utilization of the GUP-Co-0.5-1 installation for γ -ray examination of steel 10-170 mm thick. For small thicknesses of steel (~ 10 mm) it is considered feasible to use Co⁶⁰ provided that the focal distance is increased to 40-50 cm and that Pb electrons [electrodes? Transl. Note] are used. 1. Steel--Inspection 2. Gamma rays--Applications 3. Gamma ray analysis--Equipment 4. Cobalt isotopes T.R. (Radioactive)--Performance

Card 1/1

EPSHTEYN, M.M.; KHIL'KO, [Khyl'ko, O.K.]

Effect of α -pinene on carbohydrate and phosphorus metabolism.
Ukr. biokhim. zhur. 32 no.5:710-717 '60. (MIRA 14:1)

1. Kafedra biokhimii Kiyevskogo meditsinskogo instituta.
(PINENE) (CARBOHYDRATE METABOLISM)
(PHOSPHORUS METABOLISM)

SHAMRAY, Ye.F. [Shamrai, I.E.F.]; KHIL'KO, O.K. [Khyl'ko, O.K.]; SAPOTSINSKAYA, Ye.B. [Sapotsins'ka, I.E.B.]

Method of quantitative determination of nitrogen in organic compounds and tissues. Ukr. biokhim. zhur. 34 no.3:443-450 '62.

(MIRA 18:5)

1. Kafedra biokhimii Kiyevskogo meditsinskogo instituta.

KHIL'KO, O.K. [Khyl'ko, O.K.]

Age-related changes in the content of sulphhydryl groups and adenosine-triphosphatase activity of myosin. Ukr. biokhim. zhur. 37 no.1:8-13 '65. (MIRA 18:5)

1. Institut of Gerontology and Experimental Pathology of the Academy of Medical Sciences of the U.S.S.R., Kiyev.

L 13012-63
ACCESSION NR: AP3002907

EPF(c)/EMP(j)/EMT(m)/BDS ASD Pr-4/Pc-4 RM/NW

S/0289/63/000/001/0136/0140

AUTHOR: Shostakovskiy, M. F.; Sokolov, B. A.; Khil'ko, O. N.; Shergina, N. I. 65

TITLE: The sequence of addition of hydrosilanes to phenylacetylene

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izdateliya. Seriya khimicheskikh nauk, no. 1, 1963, 136-140

TOPIC TAGS: hydrosilane addition reaction, trans-isomer formation, trichlorosilane, methyldichlorosilane, ethyldichlorosilane, methylethyldichlorosilane, triethylsilane

ABSTRACT: This study is an investigation of the addition reactions of one or two hydrosilane molecules to phenylacetylene. The addition reaction of hydrosilanes to an acetylene triple bond is accomplished by means of a catalyst which is 0.1 M H₂PtCl₆ 6 H₂O in isopropyl alcohol. The synthesized products containing the double bond may be used to obtain polymers. Some of these products will polymerize if only left to stand. The hydrosilanes investigated in this work were trichlorosilane, methyldichlorosilane, ethyldichlorosilane, methylethyldichlorosilane, and triethylsilane in accordance with the reaction shown in the Enclosure. It was shown that one or two molecules can react with

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L 13012-63

ACCESSION NR: AP3002907

phenylacetylene contrary to the Markov law. When using H sub 2 PtCl sub 6 times 6 H sub 2 O catalyst, the cis-additive of hydrosilane molecule forms a trans-isomer. Orig. art. has: 1 table.

ASSOCIATION: Irkutskiy Institut Organicheskoy Khimii Sibirskego Otdeleniya AN SSSR
(Irkutsk Institute of Organic Chemistry, Siberian Department, AN SSSR)

SUBMITTED: 29Apr62

DATE ACQ: 24Jul63

ENCL: 01

SUB CODE: 00

NO REF Sov: 006

OTHER: 004

Card 2/2

ACCESSION NR: AP4015148

S/0289/63/000/003/0092/0096

AUTHORS: Shostakovskiy, M.F.; Sokolov, B.A.; Khil'ko, O.N.;
Balezina, G.G.; Alekseyeva, G.M.

TITLE: Addition of silane hydrides to vinyl ethers

SOURCE: AN SSSR. Sib. otd. Izv., no. 11. Ser. Khim. nauk, no. 3,
1963, 92-96

TOPIC TAGS: silicohydride, silane, silane hydride, addition re-
action, vinyl ether addition reaction, trichlorosilane ether,
dichloromethylsilane ether, dichloroethylsilane ether, triethyl-
silane ether, beta ether, Markownikoff rule, Raman spectrum

ABSTRACT: The addition of trichlorosilane, methyldichlorosilane,
ethyldichlorosilane, and triethylsilane to vinylisopropyl-, vinyl-
butyl-, vinylphenyl-, vinyl-*o*-, *m*- and *p*-cresyl ethers were studied.
The addition of equimolar amounts of silane and vinyl ether was
effected by heating and using chloroplatinic acid as the catalyst
(beta-phenoxyethyltriethylsilane was prepared by the Grignard re-

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ACCESSION NR: AP4015148

action). The following new compounds were prepared and characterized: the beta-phenoxyethyl-, the beta-o-cresoxy ethyl, the beta-m-cresoxyethyl, and the beta-p-cresoxyethyl- trichlorosilanes; -dichloromethylsilanes, dichloroethylsilanes, and -triethylsilanes; the beta-butoxyethyl-dichloromethylsilane, dichloroethylsilane and triethylsilane; and the beta-isopropoxyethyldichloroethylsilane. The presence of the beta structure in the products, contrary to Markownikoff's rule, was confirmed by Raman spectra and chemical decomposition. "Spectra were taken by N.I. Golovanov, for which the authors express their appreciation." Orig. art. has: 1 table and 1 equation.

ASSOCIATION: Irkutskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR (Irkutsk Institute of Organic Chemistry, Siberian branch AN SSSR)

SUBMITTED: 03Aug62

DATE ACQ: 13Mar64

ENCL: 00

SUB CODE: CH

NO REF SOV: 005

OTHER: 006

Card 2/2

L 32217-65 EMT(m)/EPF(c)/T/EWP(j)/EPR /Pe-4/Pr-4/Pe-4 RPL WM/GS/RM

ACCESSION NR: A15002123

8/4/000/64/000/000/0140/0144

VALUABLE ORIGIN: 00000000000000000000000000000000

TITLE: The order of addition of hydrosilanes to phenylacetylene 641

SOURCE: AN SSSR. Institut neftekhimicheskogo sinteza. Sintez i svoystva monomerov (The synthesis and properties of monomers). Moscow, Izd-vo Nauka, 1964, 140-144

TOPIC TAGS: silicoorganic compound, heterorganic compound, hydrosilane, phenyl-acetylene

ABSTRACT: The synthesis of $C_6H_5CH = CHSiCl_3$ (boiling, pt. 97C at 9 mm Hg), $C_6H_5CH_2CH(SiCl_3)_2$ (boll. pt. 162C at 8 mm Hg), $C_6H_5CH = CHSi(CH_3)Cl_2$ (b. p. 110C at 4 mm), $C_6H_5CH_2CH[Si(CH_3)Cl_2]_2$ (1-phenyl-2, 2-bis- (methylidichlorosilyl)ethane) (b. p. 162C at 17 mm), $C_6H_5CH = CHSi(C_2H_5)Cl_2$ (β -ethyldichlorosilylstyrene, b. p. 140C at 16 mm), $C_6H_5CH_2CH[Si(C_2H_5)Cl_2]_2$, (b. p. 170C at 10 mm), $C_6H_5CH = CHSi(CH_3)(C_2H_5)Cl$ (b. p. 130C at 7 mm), $C_6H_5CH = CHSi(C_2H_5)_2$ (β -triethyl-styrene, b. p. 138C at 10 mm), $C_6H_5CHPr_2Si(CH_3)Cl_2$ (b. p. 86C at 2 mm), $C_6H_5CH = CHSi(C_2H_5)F_2$ (β -ethyldifluorosilylstyrene, b. p. 110C at 5 mm), $C_6H_5CH_2CH[Si(C_2H_5)F_2]_2$ (b. p. 110C at 6 mm), and $C_6H_5CH = CHSiF_3$ (b. p. 41C at 1 mm)

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L 32217-65

ACCESSION NR: AT5002123

was accomplished, with a yield of 43-85%, by adding one or two molecules of trichloro-, methyltrichloro-, ethyltrichloro-, methylethyltrichloro-, and triethylsilane to phenylacetylene in the presence of 0.1 M chloroplatinic acid, according to the reaction:



where R is CH_3 or C_2H_5 and $n = 0, 1, 2, 3$. The hydrosilane molecules were found to add in the cis-position, forming a trans-isomer, contrary to the Markovnikov rule. Hard, vitreous polymers, difficultly soluble in organic solvents, resulted from the addition of one hydrosilane molecule to one phenylacetylene molecule. The recombination spectra, taken with an EIP-51 spectrograph, are supplied for some of the products. Orig. art. has: 1 table and 2 formulas.

ASSOCIATION: none

SUBMITTED: 30Jul64

ENCL: 09

SUB CODE: OC

NO REF Sov: 006

OTHER: 004

Card 2/2

Khil'ko, Sof'ya

We don't close our eyes. Rab. i sial. 39 no. 113 Ja '63. (MIRA 1612)

1. Zvenevaya kolkhoza "Radzima" Nesvizhskogo rayona.
(Nesvizh District—Flax)

BALAKINA, L.M.; BULMASOV, A.P.; DUVZHIR, G.; YESKIN, A.S.; KURUSHIN, R.A.; LOGACHEV, N.A.; LUK'YANOV, A.V.; NATSAG-YUM, L.; SOLONENKO, V.P., prof.; TRESKOV, A.A.; FLORENOV, N.A.; KHIL'KO, S.D.; SHMOTOV, A.P.; ARSEN'YEV, A.A., red.; Izd-va; DOROKHINA, I.N., tekhn. red.

[Gobi Altai earthquake] Gobi-Altaiskoe zemletriasenie. Moskva, Izd-va Akad. nauk SSSR, 1963. 390 p. (MIRA 16:5)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Vostochno-Sibirskiy geologicheskiy institut. 2. Chlen-korrespondent Akademii nauk SSSR (for Florensov).

(Gobi Altai--Earthquakes)

KHIL'KO, V., inzhener-polkovnik; USVATOV, A., mayor

How do you train radiotelegraph operators? Voen. vest 43 no.1:95-98
Ja 64. (MIRA 17:1)

KHIL'KO V.A.

2786. Kolkhoznaya Torgovlya V. sssr. i eye razvitiye na sovremennom ztape. M.,
1954. 16c. 22cm. (Akad. Obshestv. Nauk Pri Tsk KPSS. Kafedra Polit. Ekonomii)
220 zkz. B.TS (54-55714)

SO: Knizhnaya Letopis, Vol. 2, 1955

KHIL'KO, V.A. (Leningrad)

Applying Brook's method in the use of muscle tamponades in carotid-cavernous aneurysms. Vop.neirokhir. no.5:30-34 '61.
(MIRA 14:11)

1. Klinika neyrokhirurgii voyenno-meditsinskoy ordena Lenina
akademii imeni S.M. Kirova.
(SURGICAL INSTRUMENTS AND APPARATUS)

17(6)

SOV/177-58-9-39/51

AUTHOR: Khil'ko V.M., Senior Lieutenant of the Medical Corps

TITLE: Practice of Medical Care of Depot Personnel

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 85-86(USSR)

ABSTRACT: The author gives some general instructions for the medical care of the personnel of depots and bases, taking into consideration the breaking out of infectious diseases in populated districts.

Card 1/1

KHIL'KO, V.M., kapitan meditsinskoy sluzhby

~~APPROVED FOR RELEASE: 09/17/2001~~ CIA-RDP86-00513R000722020001-7
Device for taking sample of air for testing bacterial contamination.
Voen.-med.zhur. no.3:83 Mr '61. (MIRA 14:7)
(AIR SAMPLING APPARATUS)

KHIL'KO, V.M.

Diagnostic value of the hemagglutination reaction with washings from
the pharynx of patients with virus influenza. Lab. devo [7] no.4:
31-Apr-'61. (MIRA 14:3)

(BLOOD-AGGLUTINATION)

(INFLUENZA)

KHIL'KO, V.M.

Modification of Rechmenskii's bacterial trap. Lab. delo 10 no.
5:311-312 '64. (MIRA 17:5)

1. Kafedra mikrobiologii (nachal'nik - prof. A.A. Sinit斯基) Vo-
yennno-meditsinskoy ordena Lenina akademii im. S.M. Kirova, Lenin-
grad.

KOMSKAYA, M.S. [Koms'ka, M.S.]; KHIL'KO, V.V.; NICHIPORENKO, S.P.
[Nykhyporenko, S.P.]

Structural-mechanical classification and elasticity of clays.
Dop. AN URSR no.8:1059-1061 '61. (MIRA 14:9)

1. Institut obshchey i neorganicheskoy khimii AN USSR i
Ukrainskiy nauchno-issledovatel'skiy institut steklyannoy i
farforovo-fayansovoy promyshlennosti. Predstavлено akademikom
AN USSR A.V. Dumanskim. [Dumans'kyi, A.V.]
(Clay—Analysis)

NICHIPORENKO, S.P.; KHIL'KO, V.V.; KOSTENKO, E.A.

Theoretical principle for the making up of ceramic paste batches.
Stek. i ker. 18 no.10:28-32 O '61. (MIRA 14:11)
(Ceramics)

NICHIPORENKO, S.P.; KHIL'KD, V.V.

Structural and mechanical properties of palygorskite pastes as influenced by the orientation of the particles. Dokl. AN SSSR 149 no.6:1377-1379 Ap '63. (MIRA 16:7)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.
Predstavлено академиком P.A.Rebinderom.
(Palygorskite) (Crystallography)

KASHIN, N.V. [deceased]; VORONOV, P.I.; LEVE, R.R.; ISAKOVA, N.Kh.;
KHIL'KO, Z.L.

Radio interference method for underground prospecting. Nauch.
trudy MGI no.31:5-59 '60. (MIRA 14:2)
(Radio in prospecting)

Khilkov, V.A.

Problem of recurrent syphilis. Vest. vener., Moakva no. 4:39 July-
(CIML 23:3)
Aug 1952.

1. Departmental Physician. 2. Of the Clinic for Skin and Venereal
Diseases (Head -- V. A. Vedernikov), Arkhangel'sk Medical Institute

KHILKOV, V.A.

Dynamics of cutaneous galvanic reactions in patients with secondary eruptions. *Vest. derm. i ven.* no.5:43-49 '65.

(MIRA 18:11)

1. Kafedra kozhnykh i venericheskikh bolezney Arkhangel'skogo meditsinskogo instituta i kafedra kozhnykh bolezney Leningrad-skogo instituta usovershenstvovaniya vrachey (rukovoditeli raboty - cheln korrespondent AMN SSSR prof. P.V.Kozhevnikov i prof. V.A.Vedernikov). Submitted September 22, 1964.

VEDERNIKOV, V.A.; KAZANTSEV, Yu.M.; KORNILOV, A.D., KHILKOV, V.A.

Negative serological reaction in patients with syphilis treated
with bicillin-l. Vest.derm.i vnu. 34 no.6:42-43 '60. (MIRA 13:12)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
V.A. Vedernikov) Arkhangel'skogo meditsinskogo instituta.
(SYPHILIS) (PENICILLIN)

KHILKOV, V.A.

Functional disorders of the nervous system in patients with
secondary eruptions (allergids, microbids). Vest. derm. i ven.
37 no.4:26-32 Ap '63. (MIRA 17:5)

1. Kafedra kozhnykh i venericheskikh bolezney Arkhangelskogo
meditsinskogo instituta i kafedra kozhnykh bolezney Leningradskogo
instituta usovershenstvovaniya vrachey (rukovoditeli raboty -
chlen-korrespondent AMN SSSR prof. P.V. Kozhevnikov i prof. V.A.
Vedernikov).

KHILKOV, V. A., ordinator

Chronic trichophytosis in adults in Archangel Province. Vest. derm.
i ven. 34 no.1:24-27 Ja '60. (MIRA 14:12)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.
V. A. Vedernikov) Arkhangelskogo meditsinskogo instituta.

(ARCHANGEL PROVINCE—RINGWORM)

KHILKOVA, Lidiya Stepanovna, ptichnitsa; FLIGEL'MAN, S., red.; ROZHDAIKINA, V.,
tekhn. red.

[I will raise 6000 ducks] Vyrashchu 6000 utok. Kalinin, Kalininskoe
knizhnoe izd-vo, 1960. 15 p. (MIRA 14:12)

1. Kolkhoz "Velikiy put'" Sonkovskogo rayona (for Khilkova).
(Ducks)

KHILKOVA, O. G.

KHILKOVA, O. G. --"Agricultural-Engineering Substantiation of Sorting Methods."(Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(29) Min Higher Education USSR, Azerbaijan Agricultural Inst, Kirovabad, 1955

SO: Knizhnaya Letopis' N_o 29, 16 July 1955

* For the Degree of Candidate in Agricultural Sciences

FILIPPOV, D.I.; KHARLAMP'YEVA, N.I.; MAKSAKOVA, V.M.; KHILKOVA,
O.G.; IVANCHENKO, Ye.A.; ZHUKOVSKIY, D.I.; BORDUKOVA, M.V.;
TAIROVA, V.N., red.

[Growing seed potatoes in the R.S.F.S.R.] Semenovodstvo kartofelia v RSFSR [By] D.I. Filippov i dr. Moskva, Sel'khoz-
izdat, 1963. 166 p. (MIRA 17:6)

EV'EPITA MEDICA Sec 7 Vol 13/8 Pediatrics Aug. 59

1990. THE PECULIARITIES OF THE CLINICAL COURSE OF TUMOURS OF THE
POSTERIOR FOSSA IN CHILDREN (Russian text) - Khilkova T. A.
- ZH. NEVROPAT. I PSIKHIAT. 1958, 18/7 (852-857) Tables 4
Report of 125 cases of cerebral tumours in the age of 2-15 yr.; 55 of them were
medulloblastomas, 47 astrocytomas and 23 of other types. After the age of 14, the
tumours were less frequent. The interval between the appearance of the first
symptoms and the diagnosis is shorter than in the adult. In younger children, the
evolution of the tumour is more rapid. Headache, as the first sign of illness,
occurs more often than in the adult; hypertensive fits are more severe, focal signs
rarely occur in the beginning and early spontaneous nystagmus was often observed.
In medulloblastomas, decompressive trepanation with biopsy, followed by deep
X-ray treatment was found to be the most effective.

Cernáček - Bratislava (VIII, 5, 7)

KLINICHESKIY OTOEL LENINGRADSKOGO NAUCHNO - MATEMATICHESKOGO

NEVROLOGICHESKOGO INSTITUTA imeni A. L. Poliakov.

AKHUNDOV, A.A., kand. med. nauk; BAIROV, G.A., prof.; BOVARINOVA, M.V., kand. med. nauk; BUTIKOVA, N.I., doktor med. nauk; ZOBINA, M.M., kand. med. nauk; IVASHKO, L.M.; KAZAN'SEVA, N.D., kand. med. nauk; ZLOTNIKOV, D.M., professor; KUZ'MIN, B.P., kand. med. nauk; OBODAN, N.M., kand. biol. nauk; KHILKOVA, T.A., kand. med. nauk; EPSHTEYN, Grigoriy Yakovlevich, prof.

[Traumatology and restorative surgery in children; selected chapters] *Travmatologija i vosstanovitel'naia khirurgija detskogo vozrasta; izbrannye glavy.* Leningrad, Meditsina, 1964. 334 p. (MIRA 17:6)

1. Chlen-korrespondent AMN SSSR (for Bairov).

KHILKOVA, T.A.

Clinical aspects and treatment of astrocytomas of the posterior
cranial fossa in children. Sbor. trud. Len. nauchn. obshch. nevr.
i psikh. no.6:50-55 '59. (MIRA 13:12)

1. Iz klinicheskogo otdela (zav. - prof. I.S. Babchin) Leningradskogo
neurohirurgicheskogo instituta imeni prof. A.L. Polenova (direktor -
deystvitel'nyy chlen AMN SSSR prof. V.N. Shamov.
(~~NEUR~~-TUMORS)

KNILKOVA, V. R.

LIPSKIY, I. A; YAKHNIN, G. M; KNILKOVA, V. A; ANTIPOVA, V. Ya.

Treatment of gonorrhea with penicillin and autohemotherapy.
Vest. vener., Moskva no. 2:55-56 Mar-Apr 1952. (CLML 22:2)

1. Of Arkhangel'sk Oblast Venereal Dispensary.

KHIL'KOVICH, A. S.

5786. Pribor dlya rikhtovki puti. 1'vov, 1954. 4s.; i l. chert. 20sm. (MPS SSSR.
L'vovskaya zh. d. tekhn. otd. dorogi. dor. dom. tekhnichki. Dornito. Sluzhba puti.
Obmen proizvod. ogrom. inform.-tekhn. Pis'mo No. 14. 500 EKZ. B. ts. -Sost.
Ukazan v kontse teksta.-(54-15648zh) 625.17.0025

SO: Knizhnaya, Letopis, Vol. 1, 1955

KHIC'KOUSKAYA, YE. P.

PAGE 1 AND 2

Sov/156

Moscow. Vsesoyuznyj nauko-issledovatel'stvoj institut zhelzhevedeniya i transporta
Vsesoyuznyj nauchno-issledovatel'stvoj i transportnyj eksperimenticheskij zavod s istoy-
(Institute in Gas-Turbine Locomotive Building and Heat-Power Engineering in
Transportation) Collection of Articles Moscow, Transportizdat, 1960, 215 p.
(See: Sov. vop. 157) 2,000 copies printed.

Sponsoring Agency: Vsesoyuznyj nauko-issledovatel'stvoj institut zhelzhevedeniya
i transporta.
Editor (Title page): Dr. V. Nartov, Candidate of Technical Sciences; and A.V.
Sokolov, Candidate of Technical Sciences, M. (Soviet book); I.K. Kuznetsov;
Prof. Dr. P.A. Makarov.

NOTES: This book is intended for engineers and technical personnel.
CONTENTS: The book consists of 23 articles on the results of theoretical investiga-
tion of the combustion with oxygenated fuel combustion, and on chemical and
laboratory investigation of air tank units and their components. Special features
of various regimes of motion for turbine engines and problems of fuel
economy in locomotive and stationary units are discussed. No personal names are
mentioned. References preceding some of the articles.

Nartov, V. N. Candidate of Technical Sciences. Head of Department
in Clusters of Fires
Terubchik, A.M. Candidate of Technical Sciences. Cutting Friction
of Rail-Steel. Combustion Under High
Temperatures

Kazakov, A.P. Candidate of Technical Sciences. On the Stability
of Combustion of Technical Sciences, and Dr. V. P. Nartov, Dr. V. N. Makarov
Aerodynamic Investigation of the Motion of Combustion Products. 212

Kuznetsov, I.K. Candidate of Technical Sciences. Determining Resistance for the Motion
of Combustion Products. 217

Chernovol'skij, B.D. Candidate of Technical Sciences, and
Dr. V. P. Nartov, Candidate of Technical Sciences. Combustion of
the Combustion Process in a Flame Chamber. 219

Perlov, S.J. Candidate of Technical Sciences. Experimental Investigation
of the Effect of Impingement on the Heating Surface of Clusters. 222

Ushakov, A.P. Candidate of Technical Sciences. Investigation and Selection of Types of
Fuel for Small Electric Power Stations. 225

Semchikov, A.I. Candidate of Technical Sciences. Aerodynamics of the Combustion Chamber
of a Water-Cooled Flame Box with Mechanical Fuel Stoking. 226

Pudovkin, T.M. Candidate of Technical Sciences. Test Stand Models of a Large Flame Box
in the Air Flow of a Gas Turbine Locomotive. 228

ANALYST: Library of Congress

KAS'YANOV, A.V.; IVANOV, V.I.; KHIL'KOVSKAYA, Ye.P.; SERGEYEV, A.A.;
FILIPPOVA, L.S., red.; GROMOV, Yu.V., tekhn.red.

[Heat exchange systems of series N60 a.c.electric locomotives]
Teploobmennye ustroistva elektrovozov peremennogo toka serii
N60. Moskva, Vses.izdatel'skc-poligr.ob"edinenie M-va prii
soobshcheniya, 1961. 22 p. (MIRA 15:2)
(Electric locomotives--Cooling)

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GROMOVA, M.I.; KHIL'MAN, Ya.I.; PESHOVA, V.M.

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1. Moskovskiy gosudarstvennyy universitet. Kafedra analiticheskoy
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Sur les mouvements des systèmes dynamiques qui admettent "l'incompressibilité" des domaines. Amer. J. Math., 59 (1937), 803-808.

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KHIL'MI, G. F.

PA 17/49T82

USSR/Mathematics - Mechanics Jul/Aug 48
Mathematics - Mathematics, Applied

"Zakhvat's Problem in Connection With the Three-Body Problem," O. Yu. Schmidt, G. F. Khil'mi, 3 pp

"Uspekhi Matemat Nauk" Vol III, No 4 (26)

Discusses the many faulty assumptions previously made in the study of planetary motions, for example: separating masses into solar and planetary, with incorrect moments of inertia.

17/49T82

Hil'mi, G. F. On the possibility of capture in the problem of three bodies. Doklady Akad. Nauk SSSR (N.S.) 62, 39-42 (1948). (Russian)

Šmidt, O. Yu. The theory of capture and statistical laws of the distribution of the orbits of double stars. Doklady Akad. Nauk SSSR (N.S.) 62, 43-46 (1948). (Russian)

Šmidt, O. Yu., and Hil'mi, G. F. The problem of capture in the three body problem. (Tezis) Izv. Akad. Nauk SSSR (N.S.) 3, no. 4 (20), 157-159 (1948). (Russian)

A solution of the three-body problem can be said to represent a capture if two of the bodies separate to infinite distance in the past but remain within a constant distance in the future. This definition was replaced by Šmidt by the following one. The solution represents capture if at a time t_1 the three pairs of relative motions (regarded as initial conditions for the two-body problem) are hyperbolic and the distances all exceed a constant R_1 , while at a later time t_2 two of the bodies are within distance $R_2 < R_1$ and have elliptic motions, while the third body is at a distance greater than R_1 and has a hyperbolic motion. The constants R_1 and R_2 are interpreted respectively as a mean stellar distance in the galaxy and a mean diameter of a double star. In a previous paper [Doklady Akad. Nauk SSSR (N.S.) 58, 213-216 (1947)] Šmidt gave a numerical example to show the possibility of such capture. Hil'mi generalizes this by

requiring (I) existence of a time t_1 such that $r^* < -Br$, where r is the minimum distance between the bodies, r^* is the minimum of the three radial velocities, and B is a certain function of the masses, and (II) of a time t_2 such that for some R and $\epsilon < R$ one has $2r < 2R < \rho$, $\rho' > 0$ and $\rho' - A\rho^{-1} > C$. Here A and C are certain functions of the masses, R , ϵ and h (the energy constant), while ρ is the distance between the furthest body and the center of mass of the two close ones, and $\rho' = d\rho/dt$. Hil'mi states the following theorems. (1) If condition (I) holds, then all three distances become infinite as t approaches $-\infty$. (2) If $h > 0$ and (II) holds, then ρ increases steadily to ∞ as t increases, while $r \leq R$ for $t > t_2$. (3) Šmidt's example satisfies (I) and (II), hence illustrates capture in terms of Hil'mi's definition. (4) The measure of the set of initial conditions leading to capture is not zero. The proof of the last theorem is given in a few lines.

The results stated are given in the first of the three papers, and their astronomical significance for double stars and for the solar system is discussed briefly in the second and third papers. The third paper also contains a discussion of the probability distribution of the semi-axis a for double stars. On the basis of rough approximations and simple analysis

it is concluded that the probability density should be of the form $(a+\rho)^{-2}$ for large a , where ρ is a constant.

W. Kaplan (Zurich)

Vol. 10 No. 7

Sources: Mathematical Reviews.

Hil'mi, G. F. The problem of n bodies in celestial mechanics and cosmogony

14-16 May 1948

The paper is concerned with two problems of celestial mechanics of great interest: the problem of the stability of the n bodies and the problem of the origin of the solar system. The first problem is studied using the method of the theory of differential equations, and the second problem is studied using the method of the theory of probability.

Two types of celestial systems are considered: the systems of n bodies and their cosmogony, and the systems of n stars and their cosmogony.

Two types of celestial systems are considered: the systems of n bodies and their cosmogony, and the systems of n stars and their cosmogony.

Two types of celestial systems are considered: the systems of n bodies and their cosmogony, and the systems of n stars and their cosmogony.

Physical Reviews,

Vol. 71, No. 3

KHIL'MI, G. F.

166T35

USSR/Hydrology - Rainfall

Percolation
Sep/Oct 50

"Retention of Rainfall by Forests," G. F.
Khil'mi, Geophys Inst, Acad Sci USSR

"IZ Ak Nauk SSSR, Ser Geograf i Geofiz" Vol
XIV, No 5, pp 448-454

Proposes method for calculating amount of rainfall which can be retained by forests on basis of empirically determined parameters which characterize specific water capacity and form of tops of various trees. Gives example of using this method for spruce trees and compares

166T35

USSR/Hydrology - Rainfall (Contd) Sep/Oct 50

calculations with data of direct pluviometric observations in forest. Submitted 26 Jan 50
by Acad O. Yu. Shmidt.

166T35

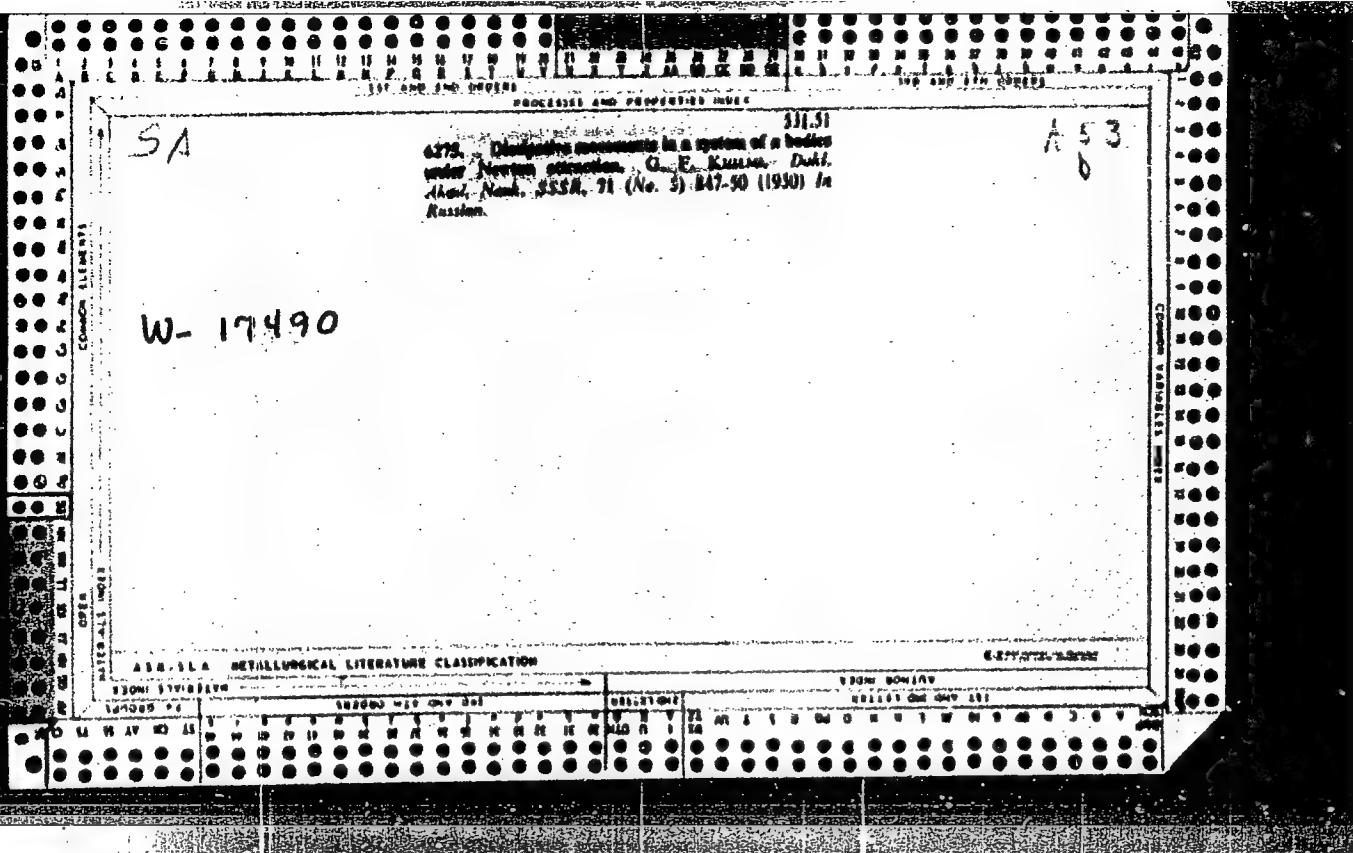
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3

Wint, G. F. The virial theorem in celestial mechanics.

10c 87NN/pt

Source: Mathematical Reviews, 1950. Vol 11 No. 6



Hil'm, G. F. Semidissipative motions in a system of n bodies attracting according to Newton's law. *Vestn. Nauk SSSR*, No. 7, 1954, p. 11.

Consider a system of n material points in space, in which the distance of each body from any other is, either infinity when the time increases beyond any limit. A system of $n-1$ material points subjected to mutual Newtonian attraction and possessing a total mass M is divided in two groups: (a) P_0, P_1, \dots, P_{k-1} and (b) $P_k, P_{k+1}, \dots, P_{n-1}$. Let m_i be the mass of P_i and r_{ij} the distance of P_i from P_j . Let further

$$M' = \sum_{i \neq j} m_i m_j, \quad M'' = \min \{m_i m_j / (m_i + m_j)\},$$

$$M_i = M' / M_i'', \quad i = 0, 1, \dots, k-1,$$

and $\rho_i(t) = \min_{j \neq i} |r_{ij}|$, $\sigma_i = \min_{j \neq i} |dr_{ij} / dt|$. The author proceeds to demonstrate the following theorem: If the constant energy integral H is positive and if the initial velocity conditions $|v_i(0)| = 4M_i \rho_i(0)$, $|v_i(0)| \leq \sigma_i(0)$, $|v_i(0)| \leq 2\rho_i(0)$, $\sigma_i(0) > 0$, $\sigma_i^2(0) \geq 8M_i \rho_i(0)$, $i = 0, 1, \dots, k-1$, $\sum_{i=0}^{k-1} \sum_{j=k+1}^{n-1} m_i m_j |r_{ij}(0)| = 4M_i \rho_i(0) \sigma_i(0)$, $i = 0, 1, \dots, k-1$, then $\rho_i(t) \rightarrow \infty$ when $t \rightarrow \infty$ for all $i = 0, 1, \dots, k-1$ and the group composed of P_k, \dots, P_{n-1} remains bounded. If the system is dissipative, the subsystem composed of P_k, \dots, P_{n-1} is a semidissipative subsystem. If the number of points in the latter group is only two, it can be shown that they form a stable subsystem.

I. Nachka (Cambridge, Mass.)

in: Mathematical Reviews,

Vol. 15, No. 1, 1954, p. 11.

KHIL'MI, G. F.

"Dissipative Motions in a System of n Bodies which Are Attracted According to
Newton's Law, DAN, Vol. LXXII, No. 5, pp 847-150, 1950.

KHIL'MI, G. F.

"Semidissipative Motions in a System of n Bodies Which Are Attracted to Newton's Law, DAN, Vol. LXXII, No. 6, pp 1041-1044, 1950.

KHIL'MI, O. F.

176T2

USSR/Astronomy - Stellar Clusters
Stellar Capture

11 Apr 50

"Dissipative Motions in a System of n Bodies Attracted According to Newton's Law," G. F. Khil'mi, Geophys Inst, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXXI, No 5, pp 847-850

Khil'mi generalizes 3-body problem to n bodies and discusses in particular his investigations into phenomena of "stellar dissipation" in connection with O. Yu. Shmidt's theory of stellar capture. He establishes several theorems and criteria governing dispersal of stars. Submitted 1 Feb 50 by Acad O. Yu. Shmidt.

176T2

Khilevi, G. F.

Science

Problem of bodies in celestial mechanics and cosmogony. Moskva, AN, SSSR, 1951.

9. Monthly List of Russian Accessions, Library of Congress, October 1951 Unci.

Held in: P. The
by Holder, with index
NSC (NS) 6
In the classical
be shown with
 \mathbf{r}_i and
 \mathbf{p}_i den-
tions m_i to the con-
polar moment of inertia
denote the magnitude of the total
vector and let T be the total kinetic
 $0 \leq h^2/(2T - \sum m_i p_i^2) \leq P$ are then rest-
ated. This result is
applied to a qualitative analysis of a
particles which collide inelastically. An
collisions, either coalesce or split up
total energy decreases, as a result of
spends to a decrease in T or in the total
potential energy.
The latter case corresponds to a shrinkage
in particular, coalescing of particles in
some bounded (relative to the center
above inequalities imply that a con-
eventually be accompanied by a decrease in h . This would
contradict the constancy of h , unless
momentum is broadened to include total
momentum of the individual particles as
is done, the loss in total energy is still
the behavior of the light wave is shown
infield electrodynamics and the results
applied. The non-isotropic nature of the
then discussed.

A. B. T.

1003

KHIL'MI, G. F.

184T3

USSR/Astronomy - Stellar Capture

1 Jun 51

"One Criterion Governing the Nonrupturability of
Capture in the Three-Body Problem," G. F. Khil'mi,
Geophys Inst, Acad Sci USSR.

"Dok Ak Nauk SSSR" Vol LXXVIII, No 4, pp 653-656

Establishes inequalities among radiiuses, masses,
distances, densities, energies, etc., that det sub-
ject nonrupturability. Submitted 12 Apr 51 by Acad
O. Yu Shmidt.

184T3

Hil'mi, G. F. On completely unstable systems of ~~n~~ gravitating bodies. Doklady Akad. Nauk SSSR (N.S.) 79, 419-422 (1951) (Russian)

In the classical n -body problem, let r_{ij} denote the distance

between particles P_i and P_j , at time t , let

$$r(t) = \min(r_{ij}), \quad s(t) = \min(t_{ij}), \quad m_i = \text{mass of } P_i,$$

$$M' = \sum m_i m_j, \quad M'' = \min_i m_i m_j / (m_i + m_j), \quad M = M'/M''.$$

Units are chosen so that the constant of gravitation is 1. It is then proved that if $s(t) > 0$ and $s'(0)q(0) > 8M$, then $q(t) \rightarrow \infty$ as $t \rightarrow \infty$. This criterion for instability is shown to be applicable, by reversal of the time scale, to the problem of "capture" in the three-body problem [cf. the preceding paper].

R. Kaplan (Ann Arbor, Mich.)

Source: Mathematical Reviews,

Vol 13 No. 5

280

KHIL'KI, G. F.

Earth

Recent information on the origin and evolution of the earth. Geog. v shkole no. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, September 1952, Uncl.

KHILMI, G.

"New Theory on the Origin of the Earth and Planets" by G. Khilmi, Master of Physics and Mathematics, Institute of Geography of the USSR Academy of Sciences
Full article in English in World Student News, Vol 6, No 8, 1952, p.12, Unclassified

KHIL'MI, G. F.

Sketches of Russian astronomers ("Leading Russian astronomers." Yu. G. Perel'. Reviewed by G. F. Khil'mi). Nauka i zhizn' 19 no.4, '52.

9. Monthly List of Russian Accessions, Library of Congress, July 1952, Uncl.

KHILL'MI, G. F.

USSR/Astronomy

Card 1/1

Author : Khill'mi, G. F., Cand. in Physico-Mathematical Sciences

Title : Origin and early evolution of the early evolution of the earth

Periodical : Nauka i Zhizn' 21/2, 20-22, Feb/1954

Abstract : The author gives the universally accepted ideas of the structure of the solar system. The similarity of the movements of the planets points to a common origin. The theory of the origin of the solar system from scattered bits, dust and gas is the logical one. This matter did not move in a plane. This resulted in collisions and grouping of matter into fewer units with change in energy. The author has a theory as to how the planets came to be divided into two groups.
Drawings.

Institution :

Submitted :

KHIL'MI, G.F.

Effect of the thickness of forest litter on the number of sprouts
of pine and spruce and on the competitive relationship among them.
Dokl. AN SSSR 95 no.2:395-398 Mr '54. (MLRA 7:3)
(Spruce) (Pine)

KHIL'MI, Genrikh Frantsevich, kandidat fiziko-matematicheskikh nauk;
SANSOENKO, L.V., redaktor; USPENSKAYA, N.V., redaktor;
DMITRIYEVA, R.V., tekhnicheskiy redaktor.

[Two hundred years of scientific cosmogony] Dvesti let nauchnoi
kosmogenii. Moskva, Izd-vo "Znanie," 1955. 30 p. (Vsesoiuznoe
obshchestvo po rasprostraneniiu politicheskikh i nauchnykh
znanii. Ser.3, no.25) (MLRA 8:9)
(Cosmogony)

~~KHIL'MI, G.P.; DZERDZHENSKIY, B.L., professor, otvetsatvennyy redaktor;~~
~~URANOV, A.A., professor, otvetsatvennyy redaktor; STAROSTANKOVA,~~
~~M.M., redaktor izdatel'stva; MAKUNI, Ye.V., tekhnicheskiy redaktor~~

[Theoretical biogeophysics of forests] Teoreticheskaya biogeofizika
lesa. Moskva, Izd-vo Akad. nauk SSSR, 1957. 204 p. (MIRA 10:8)
(Forests and forestry)

KHIL'MI, G. F.

"Information Theory and Animal Ecology," Voprosy filosofii [Problems of Philosophy], 1957, No. 4, Pages 168 - 172.

KHIL'MI, G. F. (Moskva)

Academician Otto IUL'evich Shmidt; obituary. *Fiz. v shkole*
17 no.1:28-31 Ja-F '57. (MLRA 10:2)

(Shmidt, Otto IUL'evich, 1891-1956)

GENRIKH FRANTSEVICH

PHASE I BOOK EXPLOITATION

489

Khil'mi, Genrikh Frantsevich

Kachestvennyye metody v probleme n tel (Qualitative Methods in Problems of n Bodies) Moscow, Izd-vo AN SSSR, 1958. 121 p. 3,500 copies printed.

Sponsoring agency: Akademiya nauk SSSR. Institut fiziki zemli.

Resp. Ed.: Novikov, P.S., Corresponding Member of the U.S.S.R. Academy of Sciences; Ed. of Publishing House: Gurov, K.P.; Tech. Ed.: Kostyukovskaya, R.L.

PURPOSE: This book is intended for mathematicians interested in the problem of n bodies.

COVERAGE: The author presents some methods of qualitative analysis in the problem of n bodies, and certain results obtained using these methods. The general equations and integrals of the n bodies problem are given and the simplest theorems derived by

Card 1/4

Qualitative Methods in Problems of n Bodies

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020001-7

Jacobi concerning the final motions of n bodies are presented. The possibility of the application of the methods of dimensional analysis to qualitative studies of the problem of n bodies is analyzed. Certain inequalities are derived, on the basis of which the analytical form of the criterion, with an unknown factor concerning final motions in the problem of n bodies, is given. The method of continuous induction proposed by the author is defined. Certain theorems are proved which are applied to the qualitative analysis of final motions. Sufficient criteria are given concerning the realization of certain types of final motions in the form of limitations laid upon the initial values of the parameters of the gravitational system of n bodies. The method of invariant measure based on phase interpretation of mechanical systems is given. The concept is introduced of a phase $f(p_1 t)$ as a point in v-dimensional Euclidean Space E^v , called phase space. By applying the method of invariant measure, from the motion of phase points in multidimensional space conclusions of a general character are drawn about the motion of particles in three-dimensional space. General theorems concerning the motion of n gravitational bodies are proved by the method of invariant measure. The author attempts to analyze certain cases of the evolution of a system of gravitational bodies on the basis of celestial mechanics. The transition of the system

Card 2/4

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Ch. 4. Method of Invariant Measure	68
Ch. 5. Analysis of Certain Cases of Evolution of Systems of Gravitational Bodies	105
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AVAILABLE: Library of Congress

Card 4/4

LK/ad
8-21-58

SHMIDT, Otto Yul'yevich, akademik [deceased]; KUROSH, A.G., doktor fiz.-matem. nauk, otv.red.toma; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; KOZLOVSKAYA, S.V., red.; LEBEDINSKIY, A.I., doktor fiz.-matem.nauk, red.; LEVIN, B.Yu., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., red.; KHIL'MI, G.P., doktor fiz.-matem.nauk, red.; SHEVYLEV, M.I., general-leytenant, red.; POLENOVA, T.P., tekhn.red.

[Selected works; mathematics] Izbrannye trudy; matematika. Moskva, Izd-vo Akad.nauk SSSR, 1959. 315 p. (MIRA 12:2)

1. Chlen-korrespondent AN SSSR (for Delone, Mal'tsev).
(Groups, Theory of)

KOGAN, Ya.B., red.-sostavitel'; ALEKSANDROV, akademik, otv.red.; KALASHNIKOV, A.G., doktor fiz.-mat.nauk, red.; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KOZLOVSKAYA, S.V., red.; KUROSH, A.G., doktor fiz.-mat.nauk, red.; LEBEDINSKIY, A.I., doktor fiz.-mat.nauk, red.; LSVIN, B.Yu., doktor fiz.-mat.nauk, red.; MAL'TSEV, A.I., akademik, red.; KHIL'MI, G.F., doktor fiz.-mat.nauk, red.; SHVELEV, M.I., geroy Sovetskogo Soyuza, red.; PROKOF'YEVA, N.B., red.izd-va; POLENOVA, T.P., tekhn.red.

[Otto Iul'evich Shmidt; his life and works. A collection devoted to a hero of the Soviet Union, Academician Otto Iul'evich Shmidt, 1891-1956] Otto Iul'evich Shmidt; zhizn' i deiatel'nost'. Sbornik, posviashchennyi gerou Sovetskogo Soyuza akademiku Otto Iul'evichu Shmidtu, 1891-1956. Moskva, 1959. 469 p. (MIRA 12:12)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR (for Delone).
(Shmidt, Otto Iul'evich, 1891-1956)

SHMIDT, Otto Yul'yevich [deceased]; LEBEDINSKIY, A.I., doktor fiz.-matem. nauk, otv.red.toma; LEVIN, B.Yu., doktor fiz.-matem.nauk, otv.red. toma; KHIL'MI, G.F., doktor fiz.-matem.nauk, otv.red.toma; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KOZLOVSKAYA, S.V., red.; KUROSH, A.G., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., akademik, red.; SHEVYLEV, M.I., general-leytenant, Geroy Sovetskogo Soyuza, red.; NOVICHKOVA, N.D., tekhn.red.; KASHINA, P.S., tekhn.red.

[Selected works; geophysics and cosmogony] Izbrannye trudy; geofizika i kosmogoniia. Moskva, Izd-vo Akad.nauk SSSR, 1960. 209 p.

(MIRA 14:1)

(Cosmogony) (Geophysics)
(Schmidt, Otto Iul'yevich, 1891-1956)

SHMIDT, Otto Yul'yevich, akademik [deceased, 1891-1956]; GRIGOR'YEV,
A.A., akademik, otd.red.toma; SHEVLEV, M.I., general-leytenant,
Geroy Sovetskogo Soyuza, otd.red.toma; DELONE, B.N., red.;
KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; KOZLOVSKAYA,
S.V., red.; KUROSH, A.G., doktor fiz.-matem.nauk, red.;
LEBEDINSKIY, A.I., doktor fiz.-matem.nauk, red.; LEVIN, B.Yu.,
doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., akademik, red.;
KHIL'MI, G.F., doktor fiz.-matem.nauk, red.; MEYEROVICH, O.V.,
red.izd-va; KASHINA, P.S., tekhn.red.

[Selected geographical works] Izbrannye trudy; geograficheskie
raboty. Moskva, Izd-vo Akad.nauk SSSR, 1960. 212 p.

(MIRA 13:11)

1. Chlen-korrespondent AN SSSR (for Delone).
(Schmidt, Otto Iul'yevich, 1891-1956)
(Arctic regions)

KHILO, A.I.

Accelerated growth of snowberries. Biul. Glav. bot. sada
no.40:114 '61. (MRA 14:10)

1. Botanicheskiy sad L'vovskogo gosudarstvennogo universiteta
imeni Iv. Franko.
(Berries)

LOZOVOY, Yu.I., kand.tekhn.nauk; KHILO, Ye.R., inzh.

Strengthening reinforced concrete beams of multispan roofs of
industrial buildings. Stroi.konstr. no.2:77-84, '65.

(MIRA 18:12)

1. L'vovskiy politekhnicheskiy institut (for Khilo).

SLIPCHENKO, P.S., *glav. red.*; KUCHERENKO, K.R., *red.*; FILONENKO, K.I., *red.*; LESNAYA, A.A., *red.*; ABYZOV, A.G., *red.*; BUDNIKOV, M.S., *red.*; VETROV, Yu.A., *red.*; GLADKIY, V.I., *red.*; GOLOSOV, V.A., *red.*; IZMAYLOV, V.G., *red.*; KANYUKA, N.S., *red.*; KAIPOV, E.A., *red.*; KLINDUKH, A.M., *red.*; KUSHNAREV, N.Ye., *red.*; LUYK, A.I., *kand. tekhn. nauk.*, *red.*; NEMENKO, L.A., *red.*; RYBAL'SKIY, V.I., *red.*; SITNIK, I.P., *red.*; FEDOSENKO, N.M., *red.*; FILAKHTOV, A.L., *kand. tekhn. nauk.*, *red.*; KHILOBOCHENKO, K.S., *red.*; VORONKOVA, L.V., *red.*; KIYANICHENKO, N.S., *red.*

[Construction industry: technology and mechanization of the construction industry; the economics and organization of construction] Stroitel'noe proizvodstvo: tekhnologija i mekhanizatsija stroitel'nogo proizvodstva; ekonomika i organizatsija stroitel'stva. Kiev, Budivel'nyk, 1965. 180 p.

(MIRA 18:4)

1. Nauchno-issledovatel'skiy institut stroitel'nogo proizvodstva. 2. Nauchno-issledovatel'skiy institut stroitel'nogo proizvodstva (for Luyk, Filakhtov).

1. KHILOBOCHENKO, L. S., Eng.
2. USSR (600)
4. Ukraine--Hydroelectric Power Stations
7. Technical and economic indices for small hydroelectric stations in the Ukrainian SSR, Trudy Inst. tepl. An URSR, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

KHLOBOCHENKO, L.S., inzhener.

Using local power resources for agricultural electrification in the
Ukrainian S.S.R. Trudy Inst.tepl. AN UkrSSR no.9:79-87 '53.
(Ukraine—Rural electrification) (MIRA 8:5)

KHILOBOCHE NKO, L.

112-1-360

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, Nr 1, p. 60 (USSR)

AUTHOR: Khilobochenko, L.TITLE: Construction of Rural Hydroelectric Power Stations in the Ukraine
(Stroitel'stvo sel'skikh gidroelektrostantsiy na Ukraine)

PERIODICAL: Sel'skoye str-vo, 1955, Nr 9, pp. 18-20, Sil's'ke budivnitstvo, 1955, Nr 9, pp. 18-20

ABSTRACT: In postwar years several hundred rural hydroelectric power stations with a total capacity of about 55 Mw were built in the Ukrainian SSR. In 1955, 63 rural hydroelectric power stations were under construction with a total capacity of 27 Mw. Unlike the earlier-built low capacity stations, starting with 1949, the construction of more powerful inter-collective and state rural hydroelectric power stations with a capacity of over 100 kw each has developed on a large scale. The cost of construction of the small hydroelectric power stations is from 8000 to 9000 rubles per one installed kw. The electric energy obtained from the high-power hydroelectric power stations costs 2 to 3 times less than that from the low-power ones. A composite table of data of costs of construction, and of material outlay for construction of some rural stations is presented. Ways of reducing the cost of building hydroelectric power stations are explained: the application of new designs, efficient layout of the installations, and the

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APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722020001-7
Construction of Rural Hydroelectric Power Stations in the Ukraine (Cont.)

112-1-360

utilization of local building materials. A description and drafts of certain improved types of spillway dams (with or without gates on the crest of the dam) are given: vacuum type dams (the consumption of concrete is reduced by 10 to 15 per cent); spillway rock-fill dams for weak soils (the expenditure of concrete is reduced by 25 to 30 per cent); spillway dams of the multiple-arch type (the volume of concrete is reduced by 30 per cent). According to data of the Ukrainian branch of the Giprosel'-elektro (State Institute for the Planning of Rural Electrification) the construction in the Ukrainian SSR of over 220 rural hydroelectric power stations with a total capacity of 269 Mw is planned for the immediate future. The cost of their construction is estimated at 1.7 billion rubles.

Yu. M. S.

Card 2/2

KHILOP JHENKO, L.S., insb.

Water resources of Vietnam. Nauka i zhyttia 8 no.3:52-54
(MIRA 12:9)
Mr '58.
(Vietnam, North--Water resources development)

KHILOBOCHEŃKO, L. S.

8(6);14(6) PHASE I BOOK EXPLOITATION

SOV/2961

Podhorinov, Anatoliy Leonidovich, and Leonid Samsonovich Khilobochenko

Hidroenergetichne vykorystannya malykh rіichok Ukrayiny (Water Power Utilization of Small Rivers of the Ukraine) Kyyiv, Vyd-vo AN URSR, 1959. 193 p. 1,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrayins'koyi RSR. Rada po vyvchenyyu produktyvnykh syl URSR.

Resp. Ed. of Publishing House: O. M. Pyechkovs'ka; Tech. Ed.: I. D. Mil'okhin; Ed.: I. L. Rozovs'kyy, Candidate of Technical Sciences.

PURPOSE: The book is intended for hydraulic and power engineers and other specialists concerned with the erection and operation of small hydroelectric stations for rural use. It will be of use to students studying hydraulic and power engineering.

COVERAGE: This book reviews the latest practices in design and operation of small hydroelectric power stations serving the rural economy, with particular emphasis upon conditions in the

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Water Power Utilization (Cont.)

SOV/2961

Ukrainian SSR. General principles governing the selection of construction site, the actual building of the station and its components, and, finally, the methods of operation and output indicators are described and analyzed. The problem of future utilization of streams and rivulets for additional power generation is discussed. Of particular interest are descriptions of innovations introduced in the construction of dams. There are 62 Soviet references.

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KUDIN, Sergey Nikolayevich [Kudin, S.M.]; PODGORINOV, Anatoliy Leonidovich [Podgorinov, A.L.]; KHILOBOCHENKO, Leonid Samsonovich; POLTORATSKAYA, Ye. [Poltorats'ka, E.I.], red.; VOLOSYCHENKO, Z., red.; MARINSKAYA, A. [Marina'ka, A.], tekhn.red.

[Small hydroelectric power stations of the Ukrainian S.S.R.] Mali hidroelektrostantsii URSR. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva iarkhit. URSR, 1960. 158 p. (MIRA 14:3)
(Ukraine--Hydroelectric power stations)

GAVRILOV, V.D. [Gavrylov, V.D.]; KHILOBOKHENKO, L.S.

History of the utilization of the water power of small rivers in
the Ukraine. Mar. 2 ist. tekhn. no.6:23-39 '60. (MIRA 13:11)
(Ukraine--Water resources development).

KHILOBOCHENKO, L.S., inzh.

In the country of the thousands of lakes. Znan. to pratsia
no. 2;16-17 F '61. (MIRA 14:5)
(Finland—Views)

SOV/124-58-3-3340

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3 p112 (USSR)

AUTHORS: Khilobok, G. K., Khomenko, V. I.

TITLE: Investigation of Thin-walled Beams (K voprosu issledovaniya tonkostennyykh sterzhney)

PERIODICAL: Nauchn. zap. Poltavsk. in-t inzh. s.-kh. str.-va, 1956,
Nr 3, pp 133-147

ABSTRACT: A brief summary of the development of restrained-torsion theory of open-profile thin-walled beams is given. A description of two devices for determination of center of flexure is also given.

K. F. Kovalov

Card 1/1

CIA-RDP86-00513R000722020001-7

COUNTRY: USSR

CATEGORY: Human and Animal Pathology

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722020001-7

JOUR. : RZhBiol., №. 5 1959, №. 22603

AUTHOR : Chepinoga, O.; Khilobok, I.

INST. : **

TITLE : Peculiarities of the Nucleoprotein Complexes in the Rabbit Lung after Sublethal Roentgen Irradiation.

ORIG. PUB. : Ukr. biokhim. zh., 1958, 30, №. 2, 200--211

ABSTRACT : An increase in the extractability of DNA from nucleoprotein complexes of pulmonary tissue was detected 30 minutes and 2 hours after total irradiation with an X-ray dose of 600 r. Two hours and, especially, 8 hours after irradiation, an increase was seen in the amount of RNA in whole lung tissue, a finding which was apparently associated with increased synthesis of RNA during restitution. The increase in the protein content of whole lung tissue apparently results from the transfer of protein elements of the blood into the

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* INSTITUT MECANIKI
AN URSS, KIIV

CHEPINOGA, O.P. [Chepynoga, O.P.]; NOVIKOV, B.G. [Novykov, B.H.];
LYUBARSKAYA, M.A. [Liubars'ka, M.O.]; KHLIOBOK, I.Yu.

Some characteristics of desoxyribonucleic acids from erythrocytes of ducks of various breeds under normal conditions and following reciprocal treatments with desoxyribonucleic acid preparations. Ukr.biokhim.zhur. 32 no.3:368-380 '60.

(MIRA 13:6)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev and the Experimental Biology Department of Kiev State University.

(DESOXYRIBONUCLEARIC ACID) (HEREDITY)

KHILOBOK, I.Yu. [Khylobok, I.IU.]

Age-related changes in some properties of DNA of the intestinal
mucous membrane of white rats. Ukr. biokhim. zhur. 37 no.1:43-
50 '65. (MIRA 18:5)

1. Institute of Gerontology and Experimental Pathology of the Academy
of Medical Sciences of the U.S.S.R., Kiyev.

KHILOBOK, M.P., uchitel'

Work of a club of young chemists. Khim.v shkole 15 no.1:90
Ja-F '60. (MIRA 13:5)

1. Srednyaya shkola No. 5 Uch-Kurganskogo rayona, Uzbekskoy SSR.
(Chemistry--Societies, etc.)

KHILOBOK, M.P., uchitel'

Pupil observations of facts explained by the theory of the phasic development of plants. Biol.v shkole no.2:88-89 Kr-Ap '60.
(MIRA 13:8)

1. Srednyaya shkola No.5 Uch-Kurganskogo rayona, Namanganskoy oblasti, Uzbekskoy SSR.
(Growth (Plants))

RAZORENOV, Vadim-Igor' Fedorovich; EYZLER, Pavel Il'ich;
KHILOBOK, Vitaliy Gavrilovich; GRIGOR'YEV, V.A., red.

[New method and instruments for testing cohesive soils
for compactability] Novyi metod i pribory dlia ispytanii
sviaznykh gruzov na uplotnieniye. Leningrad, 1964.
(MIRA 17:9)
27 p.

KHILOV, K.L.

[Selected problems in the clinical treatment of gunshot wounds of laryngological organs] Izbrannye voprosy kliniki ognestrelnykh povrezhdenii lor-organov. Leningrad, 1946. 122 p.

(MLRA 6:7)

(Throat—Wounds and injuries)

KHILOV, K.L.

Cerebral cortex and vestibulosomatic reflexes. Vest.otorinolar.
13 no.1:6-15 Jan-Feb 51. (CIML 20:5)

1. Of the Department for Diseases of the Ear, Throat, and Nose
(Head--Honored Worker in Sciences Prof.K.L.Khilov), Leningrad Sa-
nitary Hygienic Institute (Director--Prof.D.A.Zhdanov, Correspon-
ding Member of the Academy of Medical Sciences USSR).

KHILOV, K.L.

[Cerebral cortex in the function of the vestibular analyser] Kora golovno-
go mozga v funktsii vestibuliarnogo analizatora. Moskva, Gos. Izd. Med.
Literatury, 1952. 84 p.
(MLRA 6:5)
(PsA 28 no.1/2:386 '54)

1. KHILOV, K. L., Prof.
2. USSR (600)
4. Otosclerosis
7. Fenestration in otosclerosis. *Vest. oto-rin.*, 14 no.6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953.
Unclassified.